

EGC is a major control product that automatically aligns the edge of webs. Many companies because of follows advantages have adopted them:

- * All movement of material made by uneven speed, pulling stress, material thickness or mechanical damage can be adjusted to the original position by this system.
- * Originally reserved material edge can be thus reduced to the minimum to save width of material to be added and reduce cost in material acquisition.
- * Increased production, eliminated personnel for watching material and money spent on adjustment of material deviation can also be eliminated so as to reduce your production cost.
- * Made your finished product edge smooth and the middle processing elevated of quality, additional value of finished product material increased with much appraisal of down stream customers.
- * EGC guides a wide range of materials, including : Plastic Films, Laminated Films, Fabrics, Coated Fabrics, Fiber Materials, Fiberglass, Metal Foils, Papers, Paper Boards. Also, EGC fits onto most type of web machinery, including: Rotogravure presses, Flexography presses, Web offset presses, Label presses, Business Form Presses, Slitters, Sheetters, Die cutters, Bag machines, Bag filling machines, Envelope machines, Laminators, Extruders, Coating machines, Blown film lines, etc.

HC-2A



HC-5AM



HC-HEI



HC-HE





Features :

- Traditional auto EPC, economic and practical.
- Hydraulic pressure adjustable.
- Sensitive movement, high accuracy.
- Long service life.

Driving :

- Motor : 1/2HP - 4P 220/380/440 3 phase 50/60HZ
- Pump capacity: 3L/min-5L/min
- Oil tank : 2A 8L ,
- Hydraulic pressure : 15kg/cm²
- Oil : CPC RL68 /SHF 32
- Temperature : -10 ~+60
- oil cylinder : Select from cylinder dimension

Sensor :

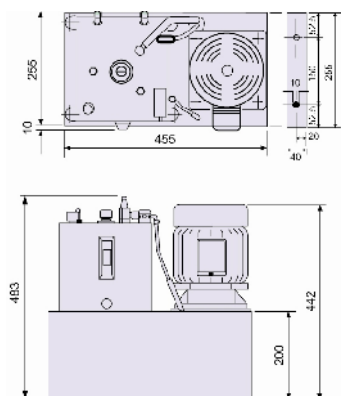
- fluidic : Air
- air pressure : 200mmH₂O
- Air capacity : 60 L/min,
- Small: material max thickness : 10mm (standard)
- Large: material thickness : 11-30mm (option)

Function :

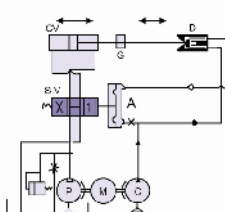
- cylinder press : 180kg(DIA 40MM cylinder)
- operating speed : 30mm/sec (Unload)
- Accuracy : 0.1mm
- sensitivity : 0.3sec

Other :

- weight : 2A 40kg , (without cylinder)
- Installation : horizontal



Circuit Component

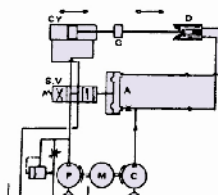
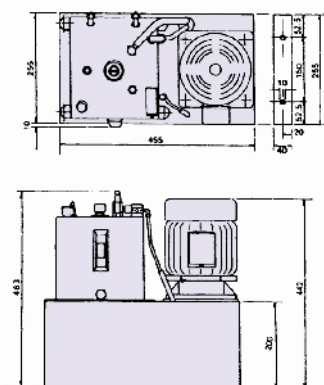


HC-2A: Air Nozzle Sensor Automatic

This type used to sensing paper, board, foil, rubber, and transparent material but not for mesh materials that edge without any coating

The specification HC-2AM as HC-2A but with manual control switch to align stand position after material run off and set up.





HC-HE: Optical Sensor Automatic

This type is ideally suited to sensing paper, board, foil rubber or any other opaque material.

Features :

- Can detect without being affected by outside lights.
- Can detect without being affected by dust and wadding.
- Can sense and detect any color.
- Low trouble, easy to maintain, long life.

Driving :

- motor : 1/2HP 、 4P 220/380/440 3 phase 50/60HZ
- pump capacity: 3L/min-5L/min
- oil tank : 15L
- Hydraulic pressure : 15kg/cm²
- oil : CPC RL68/ SHF 32
- temperature : -10°C~+60°C
- oil cylinder : Select from cylinder dimension.

Sensor :

- Optical : HE1
 - controller voltage: AC220V
- Small: material max thickness : 15mm (standard)
Large: material thickness : 16-30mm (option)

Function :

- cylinder press : 180kg (40Φ)
- operating speed : 30mm/sec (Unload)
- precision : 0.2mm

Other :

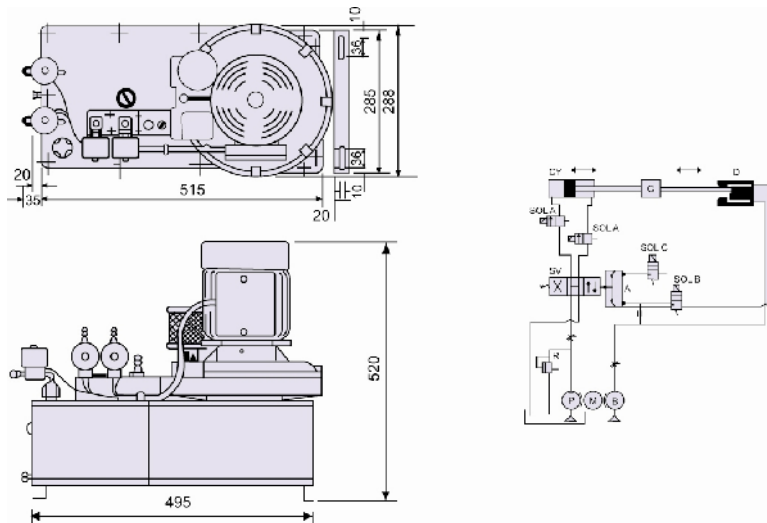
- weight :
- Installation: horizontal

The specification HC-HE as HC-HE 1 but with manual control switch to align stand position after material run off and set up.

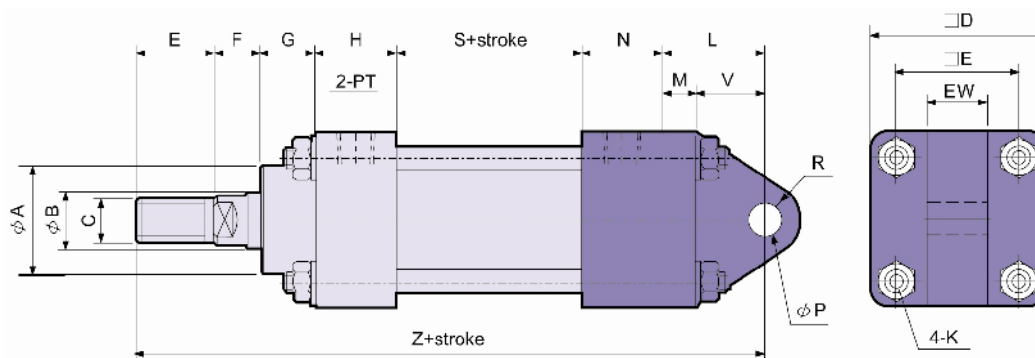


The specification base the same as HC-2A but several features as below:

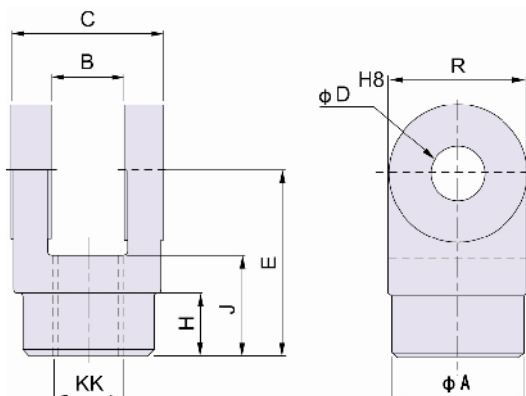
1. Temperature does not rise easily
2. The air not easy block because of direct air connection, which bring strong air to blow away of dust and wadding on sensor.



CYLINDER DIMENSION:



SIZE BORE	A	B	C	D	DE	E	F	G	H	N	L	M	V	P	R	EW	K	S	Z	PT
40	40	20	M16XP1.5	64	45	28	17	20	30	30	36	11	25	12	13	22	M8XP1.25	50	211	3/8
50	45	20	M16XP1.5	70	50	28	17	20	30	28	36	12	24	12	13	22	M10XP1.25	50	209	3/8



KK	A	B	C	D	E	J	H	R
M14XP1.5	26	16	44	12	56	20	21	14
M16XP1.5	26	16	44	12	56	20	21	14

B. Rewinding (wind-up reel system)

This reel system to uniform the web of winding up coil with edge alignment.

Mount the deflector roll rigidly and independent from the reel stand. Mount the

The detector on the reel stand-extending arm, so moves together with the wound coil.

The detector located on the entry side of the detector roll as close as possible.

The angle formed by the incoming web on the detector roll is no less then 30°

Larger diameter and higher friction are preferable to avoid slippage over this roll.

The distanced between the wind-up reel and the detector roll should be more than the maximum with of the web. If distance is too short, wrinkles will happened on thins or soft web.

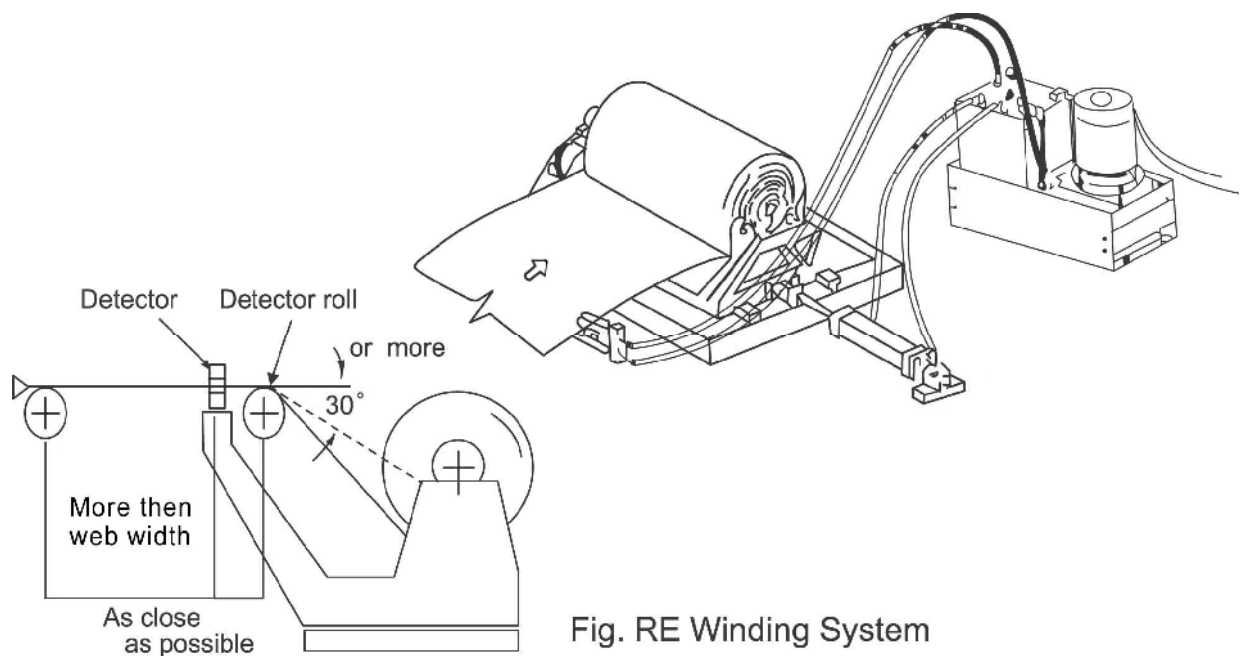


Fig. RE Winding System

EPC/LPC99A Controller

ADVANTAGE:

Reliable versatile controller for use with Niika photoelectric or ultrasonic sensors.

Capable of line or edge sensing over a wide range of materials. Very easy to set up and calibrate with auto centre function and remote mounting capability. 3 functions for Auto/Manual/Centering.

Model	EPC/LPC99A Controls
Power	AC100V-240V 50/60HZ
Methods	PWM
Temperature	0°C~50°C
Weight	3kg
Material	ABS
Size	(D)182m/mx(W)246m/mx(H)156m/m

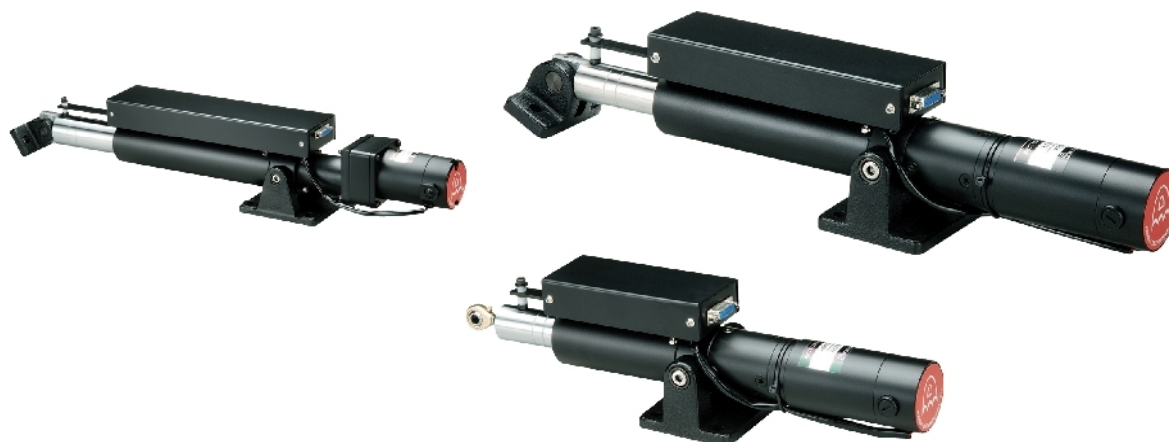


Linear Actuators

Electromechanical actuators with built in end of stroke and centre stroke sensors.

Electrical DC Servo actuator with powerful thrust and fast response.

Durable electrical construction without hydraulic piping, can be cleaned easily.



TYPE	THRUSTER	STROKE	MAX STAND WEIGHT	MAX ACTUATOR SPEED	MAX LINE SPEED	Weight
KC80-20	100kg	80m/m	600 KGS	20mm/s	300 MTRS/M	5.5kg
KC150-20	150kg	150m/m	1500 KGS	20mm/s	300 MTRS/M	12.5kg

ES99N OPTICAL SENSOR

**ES99N is special design for edge position sensor.
Use white LED instead of tradition light ball.
Maintenance free.**

Model	ES99N
Power	±12VDC
Light	WHITE LED
Application	PAPER, FABRIC, MESH EDGE POSITION
Temperature	0°C ~50°C
Weight	0.4kg
Material	ZINC/ ALUMINUM ALLOY
Dimension	(L)98m/mx(W)80m/mx(H)30m/m



LS99N OPTICAL SENSOR

**LS99N is special design for line position sensor.
Use white LED instead of tradition light ball.
Maintenance free.**

Model	LS99N
Power	±12VDC
Light	WHITE LED
Application	PRINT LINE, PAPER PLASTIC FILM LINE POSTION
Sensor distance to material	25~30 mm
Temperature	0°C ~50°C
Weight	0.3kg
Material	ZINC/ ALUMINUM ALLOY
Dimension	(L)96m/mx(W)53m/mx(H)30m/m



US99N ULTRASONIC SENSOR

**The sensor of US99N is design by ultrasonic and
Special use on paper, transparent file and aluminum foil.
With this sensor that one machine can handle most of
Materials expect the fabric and mesh.**

Model	US99N
Power	±12VDC
Application	Paper, aluminum foil, plastic film
Sensor	Ultrasonic
Temperature	0°C ~50°C
Weight	0.4kg
Material	ALUMINUM ALLOY
Size	(L)130m/mx(W)92m/mx(H)32m/m

